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RM-50 Professional DJ mixer



OWNER'S MANUAL



## TROUBLESHOOTING

Thank you for making Stanton your first choice in professional DJ mixers.

This new, innovative family of mixers has been developed with input from the professional DJ community, bringing to the marketplace a previously unavailable, affordable combination of user-friendly, functional design, rugged construction, and professional quality features.

Stanton and your authorized Stanton dealer are dedicated to your complete satisfaction by offering benchmark service and support throughout the long life of your Stanton product.

Again, we appreciate your patronage, and look forward to many years of making music together.

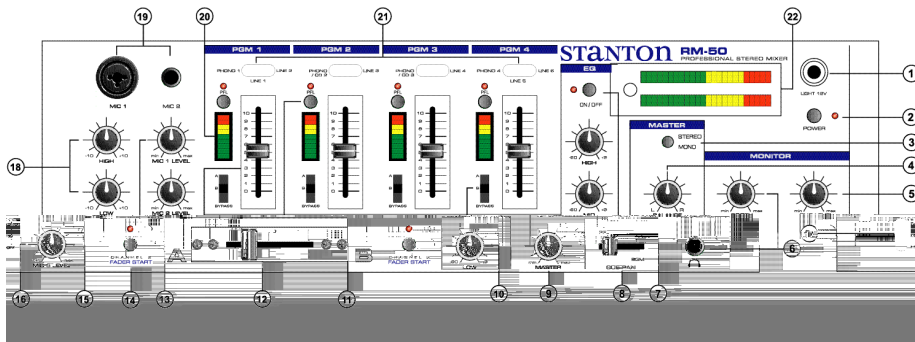
### PLEASE READ CAREFULLY BEFORE USE OF THIS PRODUCT

#### FAILURE TO FOLLOW THE INSTRUCTIONS PRINTED BELOW MAY VOID WARRANTY

- Follow all security advice printed on your mixer
- When removing the unit's AC plug from the power source, grasp and pull the plug, NEVER the cord itself!
- Avoid placing your mixer near heat sources, such as power amplifiers.
- When in use, place your mixer on a stable surface, away from vibration. Always use care when carrying your mixer. Impact, or heavy vibration may compromise the unit's mechanical integrity. The manufacturer is not responsible for damage resulting from an impact, or misuse.
- When in use, place your mixer away from sources of hum or noise, such as transformers, or electric motors.
- To prevent overheating, always provide your mixer with adequate ventilation air space.
- Avoid stepping on your mixer's AC cord. Repeated compression of the cord may lead to electrical shorting.
- To avoid damage due to AC voltage peaks, always disconnect your mixer from the power source during electrical storms.
- Your mixer contains no user-serviceable parts. The manufacturer is not responsible for any damage or personal injury resulting from unauthorized user-servicing or modifications. In addition, the warranty will be void if any unauthorized service by the user is detected. Always return your mixer to an authorized Stanton dealer for servicing.

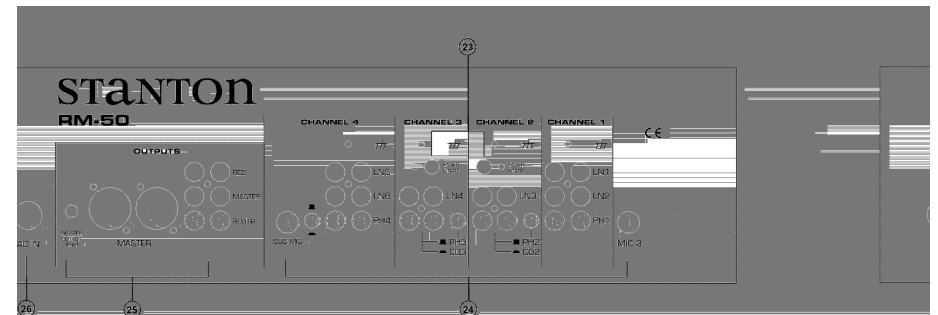
Problem	Cause	Solution
Excessive hum when using phono source.	Poor ground connection.	Properly connect turntable ground wire to mixer ground terminal.
	Loose cartridge/headshell connection.	Check cartridge connection to headshell. Check headshell connection to tonearm.
Low frequency hum while operating source unit.	Poor AC source ground. Loose input/output connection. Shorted cable.	Properly ground the AC source. Check all input and output connections for secure fit. Isolate and replace the damaged cable.
Program volume can't be adjusted with master volume control.	Amplifier or outboard gear connected to the record output.	Connect amplifier or outboard gear to master output.
No power.	Improperly connected AC cord or power line source not on.	Properly connect AC cord to AC power source. Turn power on.
	Blown fuse.	Remove the fuse cover with a flat-bladed screwdriver. Replace fuse with a new 500mA fuse.
The amplifier is turned up, but there is no signal.	Faulty output connections	Properly connect amplifier, or outboard gear to mixer.
	Improper level adjustment.	Properly set crossfader, channel faders, gain controls, and input selector toggles.
No signal in headphones.	Improper connection.	Check headphone connection to mixer. Tighten if necessary.
	Improper level or cue mix settings.	Adjust headphone level and cue mix to the proper level and channel settings.

## DESCRIPTION OF FUNCTIONS



1. BNC jack: 12V gooseneck light input
2. Power switch: Selects power "ON" or "OFF"
3. Mono/stereo switch: switches the of Master output between a stereo and mono signal
4. Master balance control: Controls left/right signal balance of the master output.
5. Headphone level control: Controls the overall headphone output level. It is recommended headphones with an impedance rating of 200 ohms or less be used for maximum volume.
6. Headphone output: Connection for 1/4 inch headphone. Recommended headphone impedance is 32-200 ohms for maximum volume.
7. Booth level control: Controls the signal level of the booth output.
8. Cue pan: Fades the headphone output between the channel(s) selected by the cue assign switches (17) and the master one output, effectively allowing the user to preview a mix.
9. Master level control: Controls the overall signal output level of the master output.
10. Equalizer: Individual controls for low frequency, midrange, and high frequency equalization with (+10/-10 dB) Note: Any changes made to EQ settings will change the overall output level.
11. Crossfader source selectors: When set to A, the select channel will be assigned to the left side of the crossfader. when set to B, the selected channel will be assigned to the right side of the crossfader. When set to BYPASS, the crossfader will be bypassed altogether.
12. Crossfader: Fades the master output between the channels selected by the Crossfader source selectors (13).
13. Cue assign switch: Selects the channel to be monitored.
14. Fader Start: Turns the fader start function ON or OFF. The fader start will work with CD

- players (such as Stanton's S-Series) to start the audio from the CD player's cue point.
15. Channel fader: Controls the input channel level.
16. Microphone volume: Controls the output levels of mics 1, 2, and 3.
17. Mic selector: Turns the mic on or off and activates the automatic talkover circuit. When activated, the automatic talkover circuit reduces the music output based on the setting of the talkover attenuation control (19).
18. Mic EQ: Individual controls for low frequency and high frequency equalization with (+10/-10 dB) for mics 1, 2, and 3. Note: Any changes made to EQ settings will change the overall output level.
19. Microphone 1 and 2 inputs: Combo connector is for mic 1, and the 1/4" connector is for mic 2.
20. Input Level meter: Displays the input level. The input level is determined by the input channel controls (24).
21. Input selector switches: Selects phono or line input.



22. Output Level meter: Displays the overall signal level of the master output.
23. Fader Start connector: Connects to the sound module's remote start output (such as Stanton's S-Series CD players) to control the cue-start via the mixer's crossfader.
24. Audio signal inputs: Line inputs are used to connect to line level sources such as CD players, samplers, tape players, etc. Phono inputs are used to connect to turntables. Mic inputs connect directly to microphones. To prevent potential circuit damage, never connect line level source to phono inputs.
25. Audio signal outputs: Master output connects to an amplifier, EQ, crossover, or other outboard signal processing. Record out connects to tape recorder, mini disk recorder, etc. Booth output is a second master output used mostly for in-booth monitoring.
26. AC cord connector: Input connection for the supplied removable AC cord.

## FADER CLEANING

The RM-50 faders may need lubrication from time to time. This will extend the fader life and eliminate any potential damage due to extended heavy usage.

### Cleaning Instructions

1. Remove the fader and disconnect the cable coming from the mixer. To remove the crossfader, unscrew the outer screws (removing the 2 inner screws will detach the fader from the fader plate). To remove the line faders, remove all 4 screws.
2. Spray a small amount of cleaner or lubricant into both ends of the fader and slide the fader back and forth a few times to spread the fluid evenly throughout the fader.
3. Shake and wipe off excess fluid before re-assembling the fader.

## FADER REPLACEMENT

To replace the cross or channel faders, follow step 1 of the cleaning instructions. Replacement parts are available from Stanton or your local Stanton dealer.

CF-RM19	Crossfader
LF-RM19	Line input fader
RF-RM19	Line input rotary (dial) fader (4 per pack)
PS-RM19US	US Power Supply (110v)
PS-RM19EU	European Power Supply (220v)
PS-RM19UK	UK only Power Supply (240v)

## TECHNICAL SPECIFICATIONS

<b>Line inputs:</b>	8 (RCA), 150 mV / 27K ohm
<b>Phono inputs:</b>	4 (RCA), 3 mV / 47K ohm
<b>DJ mic input:</b>	3 (XLR, 1/4"), 2.45 mV / 3K ohm
<b>Master output:</b>	1 (RCA), 1.2 V / 1K ohm
<b>Booth output:</b>	1 (RCA), 1.2 V / 1K ohm
<b>Record output:</b>	1 (RCA), 245 mV / 10K ohm
<b>Headphone output:</b>	1 (1/4"), 32 - 200 ohms recommended
<b>Frequency Response:</b>	20 Hz - 20 kHz, +/- 2 dB
<b>Tone Control :</b>	+ 9/-60 dB (Hi, Mid, Low)
<b>Mic Tone:</b>	Hi/Lo +/-10 dB
<b>Gain Control:</b>	0-20dB
<b>S/N Ratio:</b>	Less than 70dB
<b>T.H.D:</b>	less than 0.2%
<b>Dimension(LxWxD):</b>	5.25" x 19" x 7" (134 x 482 x 178 mm) 3U

## WARRANTY

This unit has been designed and manufactured using quality components. Therefore, it is warranted to be free from defects in materials (limited as specified below), and workmanship for a period of twelve (12) months from the original purchase date. During this period, all service and parts necessary to repair a defect will be free of charge. This limited warranty applies to mechanical parts which are subject to wear and tear as specified:

- Faders, specified durability: 15,000 cycles
- Rotary potentiometers, specified durability: 10,000 cycles
- Switches, specified durability: 10,000 cycles

Consequently, the parts listed above are warranted to be free from defects in materials and workmanship for a period of thirty days (30) days from the original purchase date.

**FOR THE WARRANTY TO BE VALID, PLEASE COMPLETE THE  
ONLINE WARRANTY REGISTRATION FORM FOUND AT  
[WWW.STANTONMAGNETICS.COM](http://WWW.STANTONMAGNETICS.COM)**

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